NEMAIS Training Overview

avy **E**nterprise **M**aintenance **A**utomated **I**nformation **S**yste

Objectives

- Provide a basic understanding of ERP
- Provide a basic understanding of S-A-P
- Provide a basic understanding of the NEMAIS Solution
- Describe the benefits of the NEMAIS ERP Solution

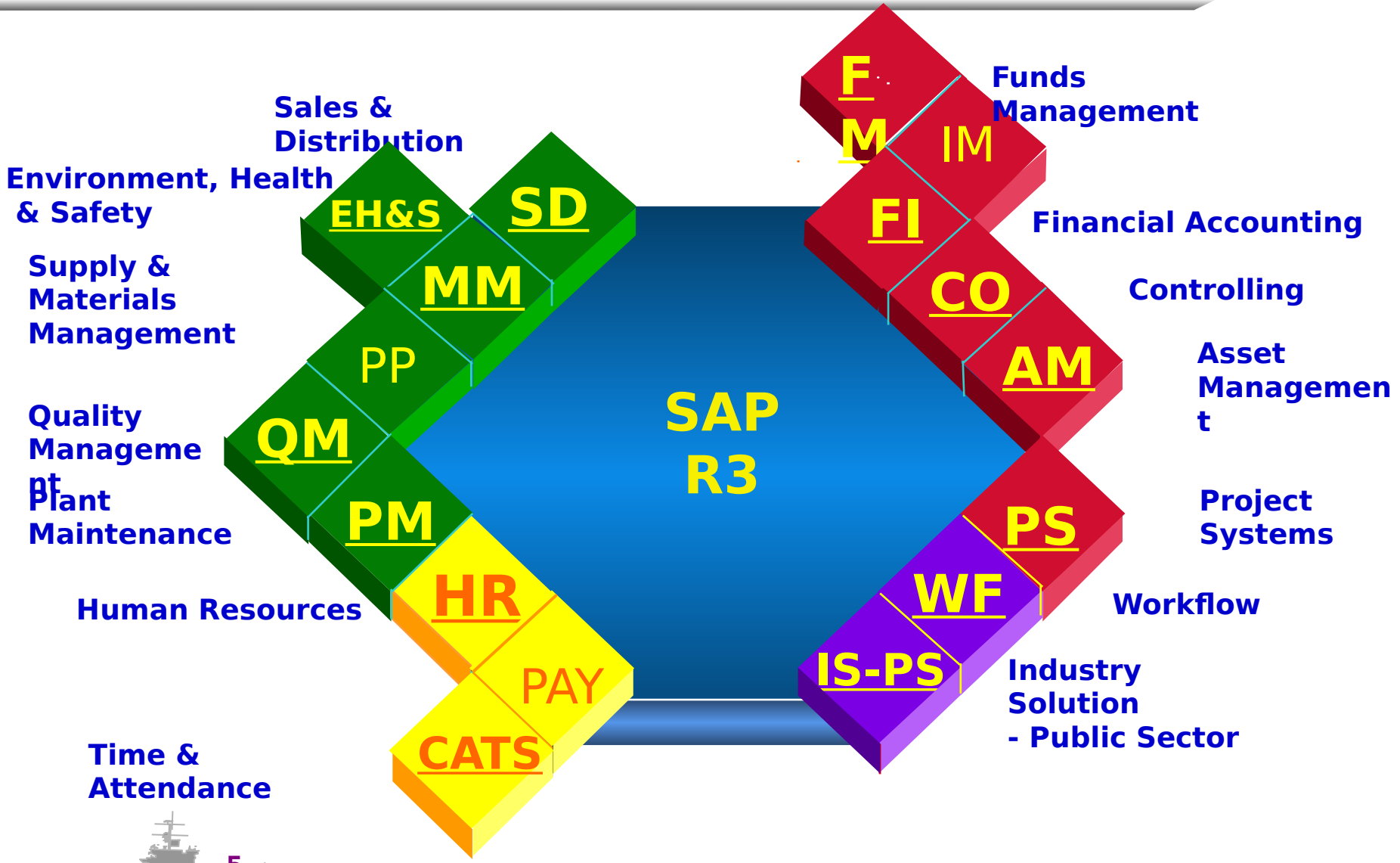
ERP Definition

- **Enterprise Resource Planning (ERP)**
  - **Automates and integrates business processes**
  - **Shares common data and processes across the enterprise**
  - **Provides consistent and timely information for decision making and performance measurement**
  - **Produces and accesses data in a near real-time environment**

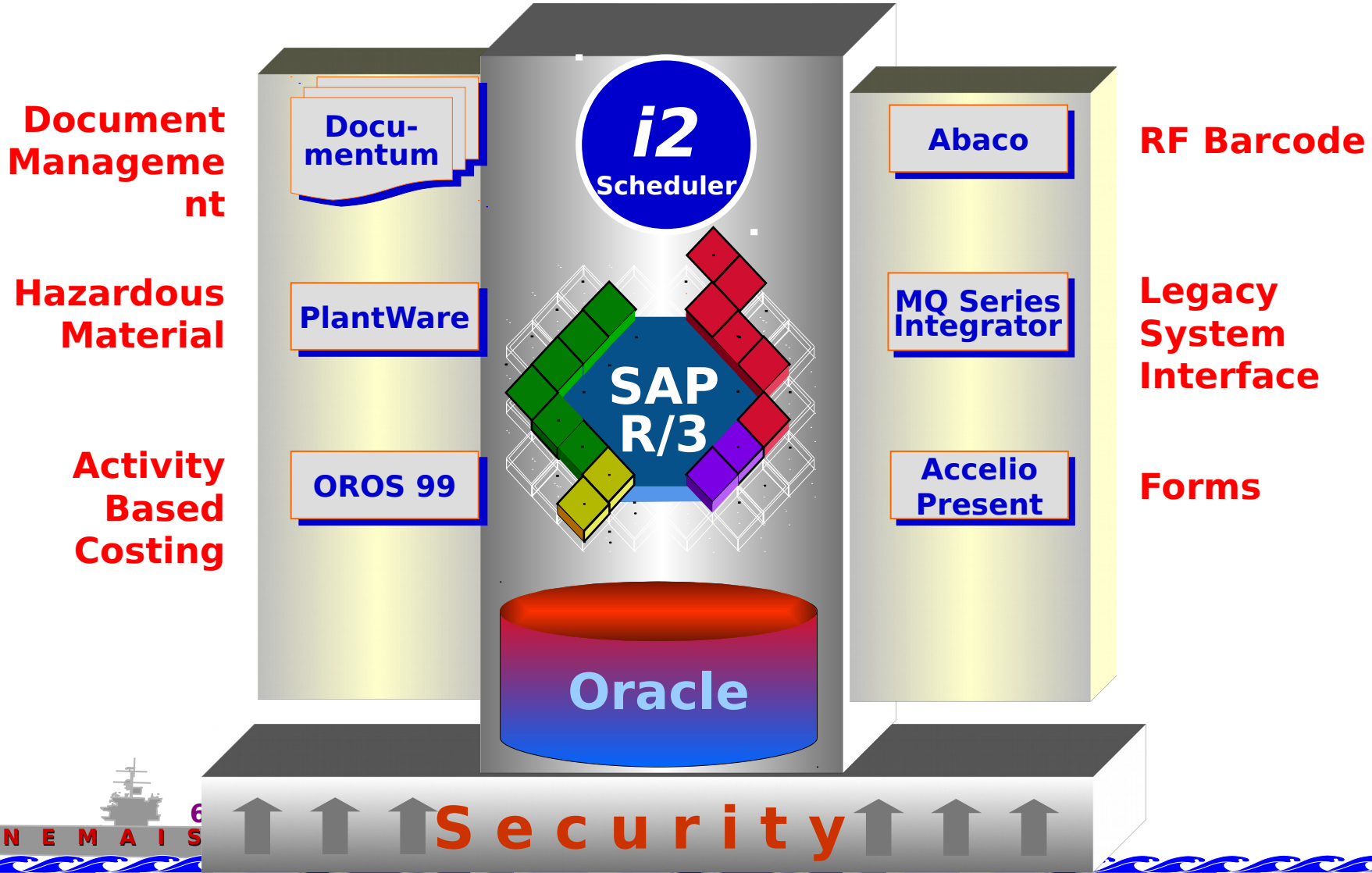
SAP Definition

- **Systems Application Product (SAP)**
  - **Widely-used COTS ERP product**
    - **IBM**
    - **Hewlett-Packard**
    - **Newport News Shipbuilding**

The SAP Backbone

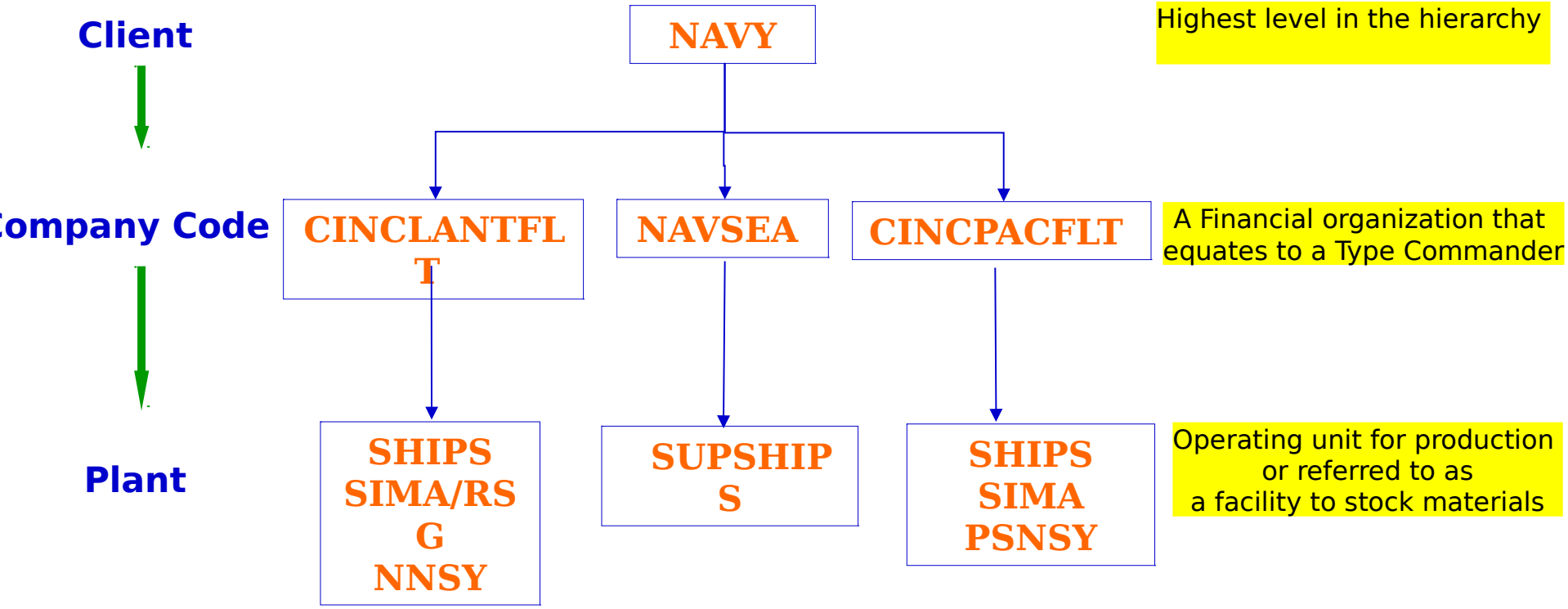


The Integrated Solution



S-A-P HIERARCHY CHART

S-A-P Hierarchy



What is the Problem?

- **Operational commitments**
  - We have the same operational commitment to perform - with fewer ships, fewer people and less money.
- **Business drivers**
  - Lower budgets
  - Mandated savings
  - Increased workload
  - Fewer ships and personnel

CNO Priorities

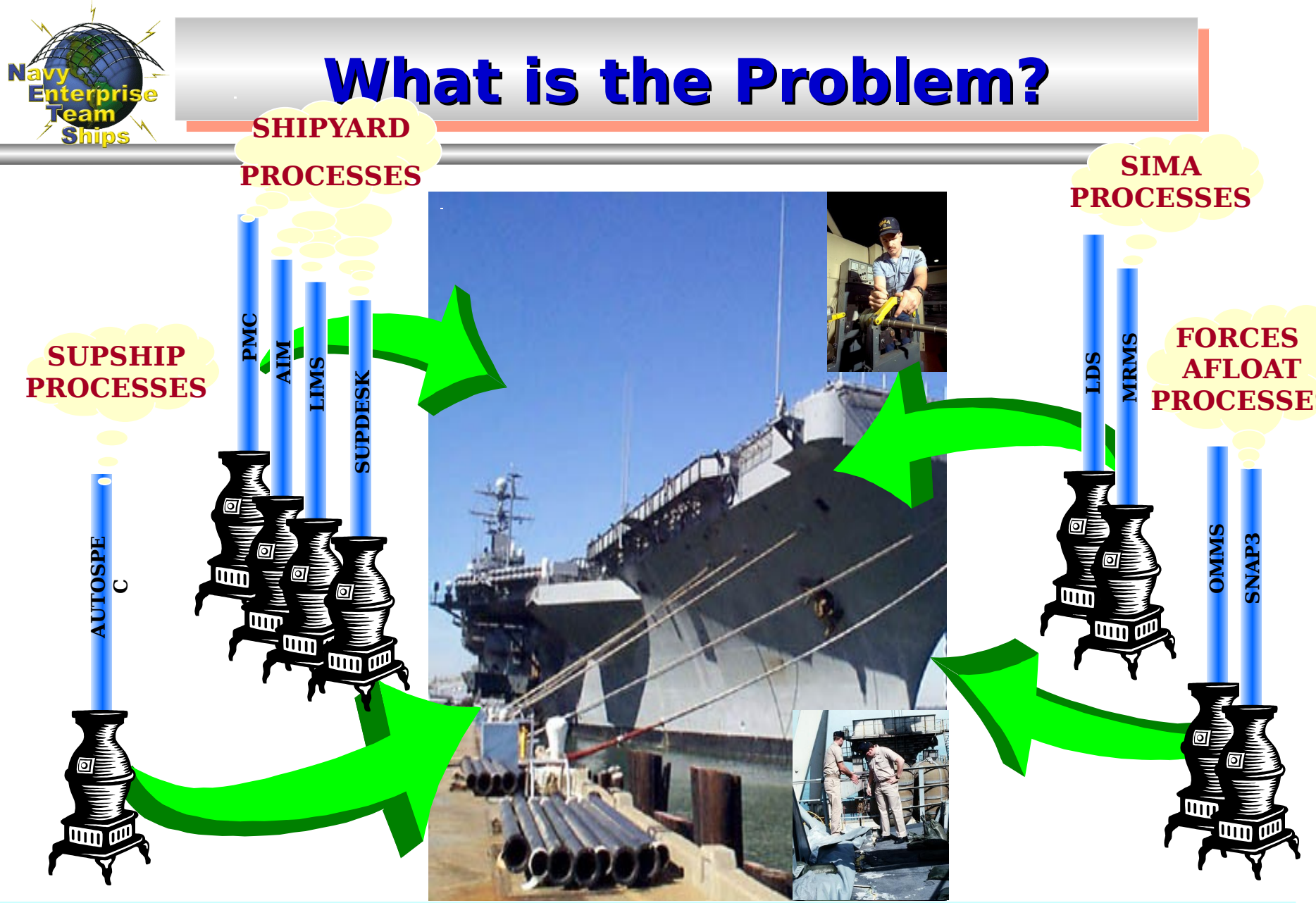
CNO Priorities :

- Manpower
- Current Readiness
- Future Readiness
- Quality of Service
- Navy-wide Alignment

Achieve By. . .

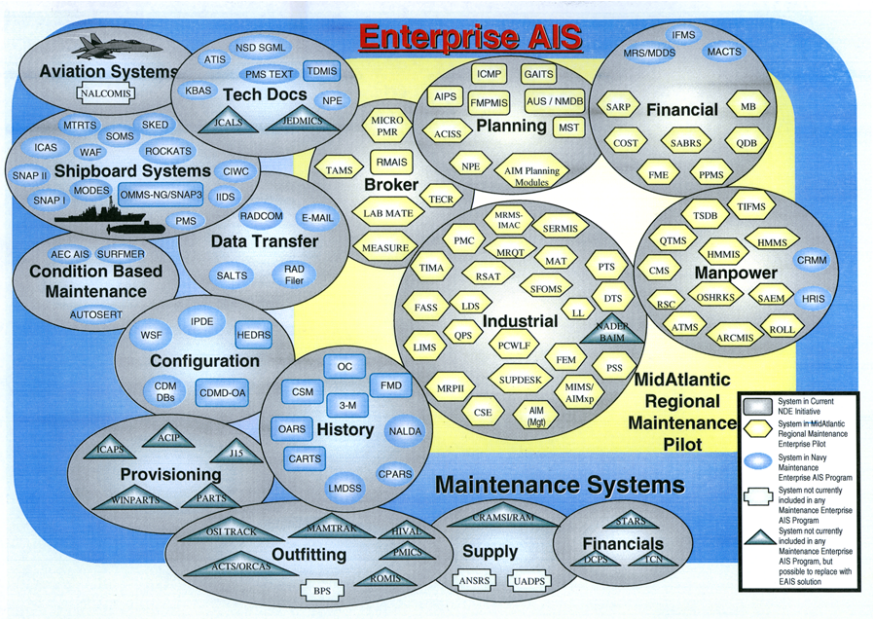
- Providing Timely and Rapid Access to Information
- Supporting Total Asset Visibility
- Enhancing the Planning & Scheduling Process
- Providing Better Decision Making Tools
- Minimizing & Simplifying Data Collection
- Utilizing Common Processes Across the Enterprise

What is the Problem?



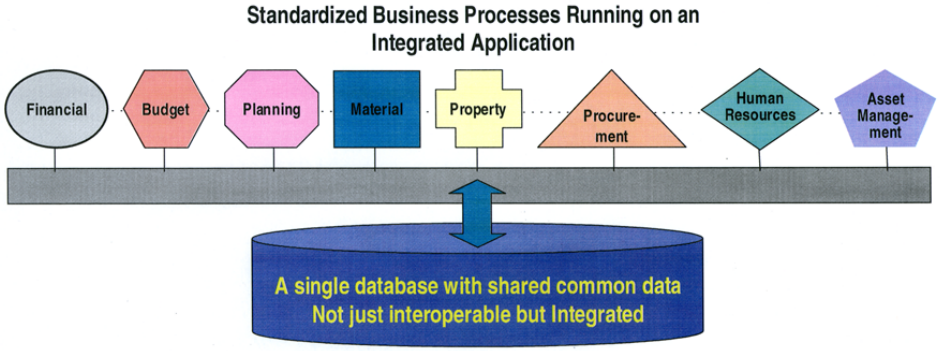
Functionally independent, redundant, and inefficient processes lose focus on the customer's product, and

NEMAIS ERP Solution



What We Have Today

What ERP Provides

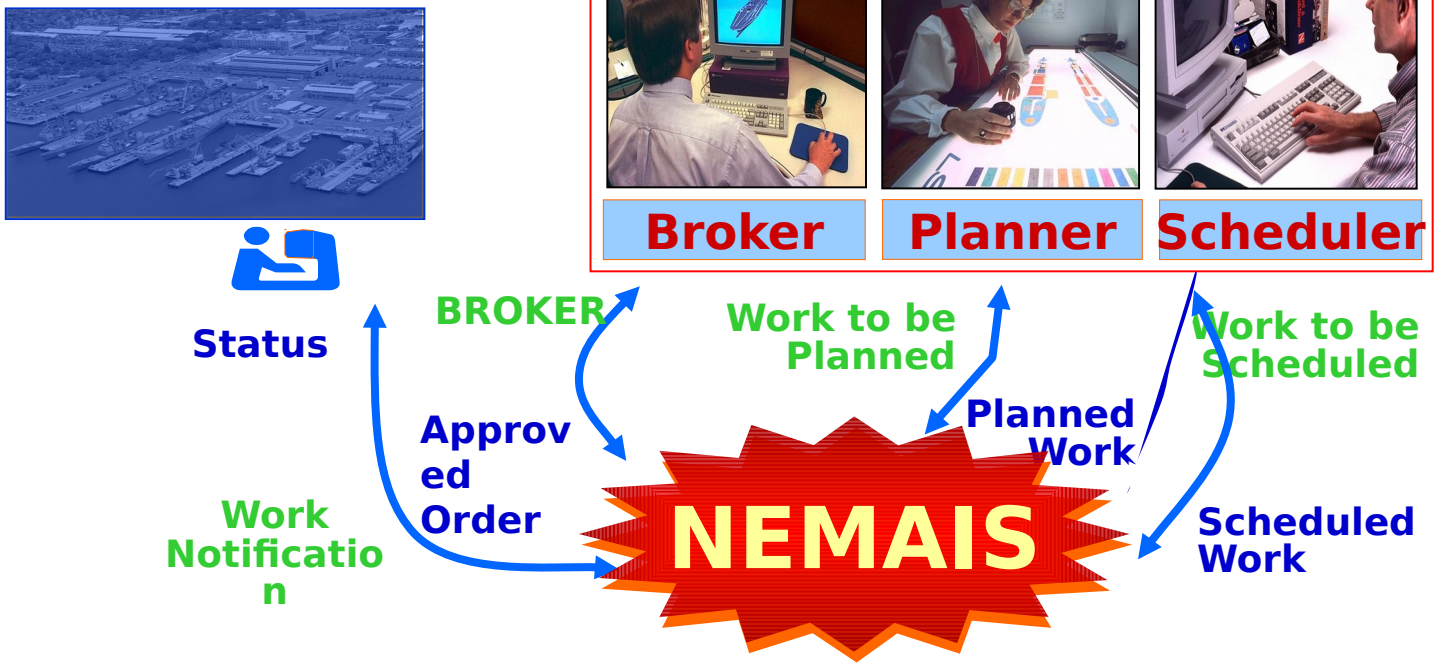


How will the Solution work?

Work Notification

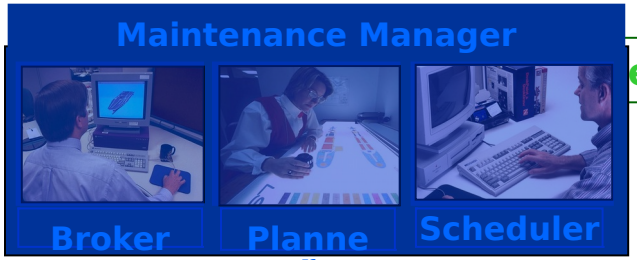
NEMAIS

How will the Solution work?



How will the Solution work?

2K Work Request



equisitions

Work Request

Work to be Planned

Work to be Scheduled

Approved Work Request

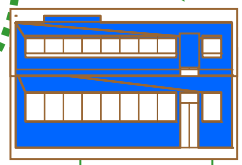
Planned Work

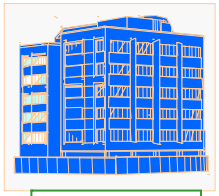
Scheduled Work

NEMAIS

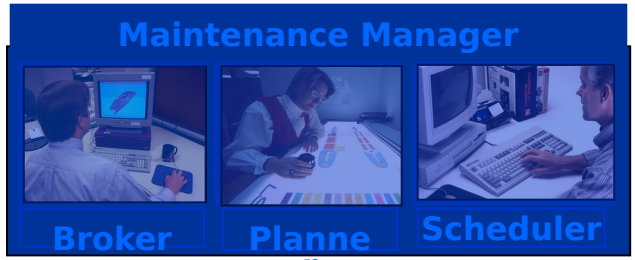
Material History

Status





How will the Solution work?



Requisitions

DLA

FISC

Parts

Parts

2K Work Request

Work to be Planned

Work to be Scheduled

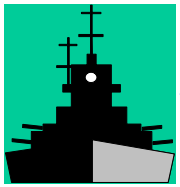
Approved Work Request

Planned Work

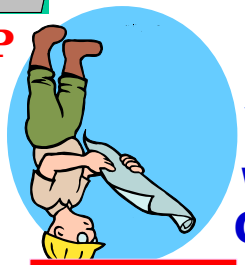
Scheduled Work

Supply Status

NEMAIS



SHIP



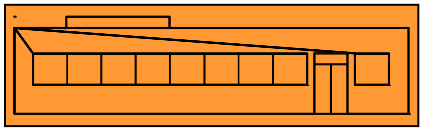
SupShips

Work Orders

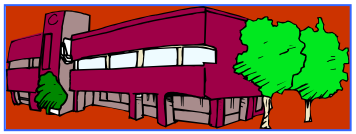
Vendor

OEM

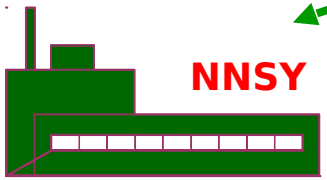
SIMA



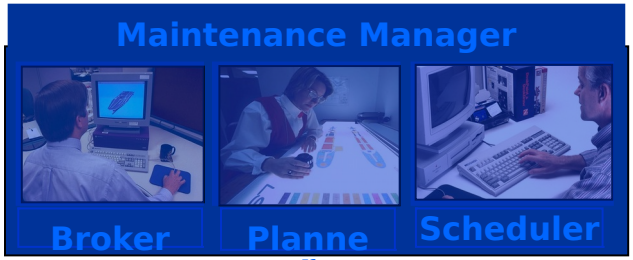
RRC



NNSY



How will the Solution work?



2K Work Request

Work Request

Work to be Planned

Work to be Scheduled

Planned Work

Approved Work Request

Scheduled Work

Material History

Job Status

Resources

NEMAIS

Supply

Requisitions

DLA

FISC

Parts

Parts

Work Orders

RRC

Work Orders

SUPSHIP

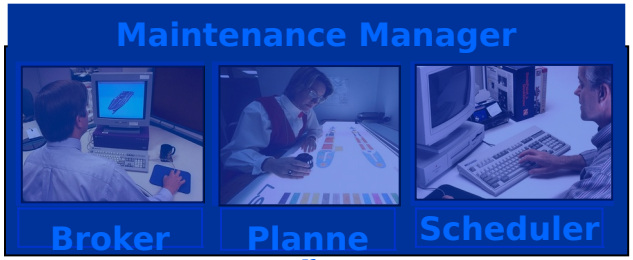
SIMA

Vendor

OEM

HR

How will the Solution work?



2K Work Request

Work Request

Work to be Planned

Work to be Scheduled

Approved Work Request

Planned Work

Scheduled Work

NEMAIS

Material History

Resources

Available Funds

Planned and Actual Expenditures

Comptroller

Requisitions

Supply

DLA

FISC

Parts

Parts

Work Orders

RRC

Job Status

Work Order

SupShips

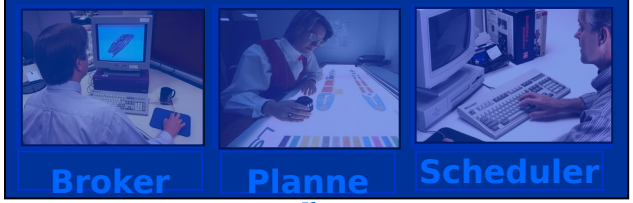
Vendor

OEM

HR

How will the Solution work?

Maintenance Manager



Mobile Users Connected via NMCI and Web Enabled NETS

Work Request

Work to be Planned

Work to be Scheduled

Approved Work Request

Planned Work

Scheduled Work

NEMAIS

Material History

Status Information

NIPRNET NMCI

Work Request Entry Reports

Analysis

Inquiries

Available Funds

Planned and Actual Expenditures

Data Engineering

Reports

Engineering Analysis

Executive Information

Comptroller

Supply

Requisitions

DLA

FISC

Parts

NNSY

Work Orders

Job Status

RRC

SIMA

SupShips

Resources

Vendor

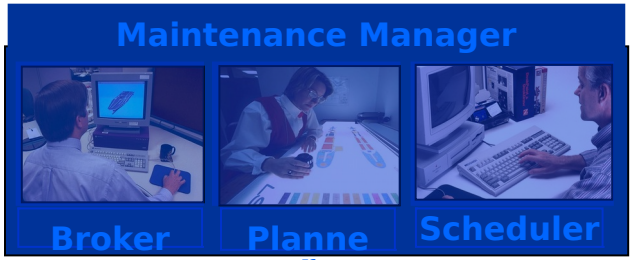
SHIP

OEM

HR

NEMAIS

How will the Solution work?



Mobile Users Connected via NMCI and Web Enabled NETS

2K Work Request

Work Request

Work to be Planned

Work to be Scheduled

Approved Work Request

Planned Work

Scheduled Work

Material History

NEMAIS

Status Information

Work Request Entry Reports

NIPRNET N/MCI

Analysis

Inquiries

Available Funds

Data Engineering

Reports

Planned and Actual Expenditures

Engineering Analysis

Executive Information

Comptroller

Existing Legacy Systems

HR

Supply

Requisitions

DLA

FISC

Parts

Work Orders

RRC

Job Status

Work Orders

SupShips

Resources

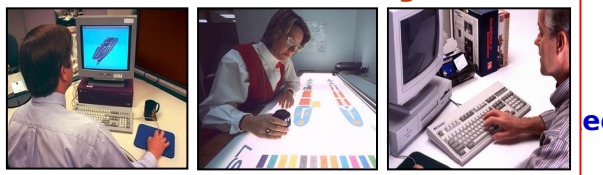
SIMA

Vendor

SHIP

OEM

How will the Solution work?



Mobile Users Connected via NMCI and Web Enabled NETS

2K Work Request

Work Request

Work to be Planned

Work to be Scheduled

Work Orders

equisitions

Supply

DLA

FISC

Parts

Supply Status

NNSY

Parts

Approved Work Request

Planned Work

Scheduled Work

NEMAIS

RRC

Status Informatio n

History

NIPRNET N/MCI

Work Request Entry Reports

Analysis

Work Orders

SIM A

SupShips

Vendor

Inquiries

Availabl e Funds

Planned and Actual Expenditure s

Data Engineerin g

Reports

SH

OEM

Engineerin g Analysis

Executive Informatio n

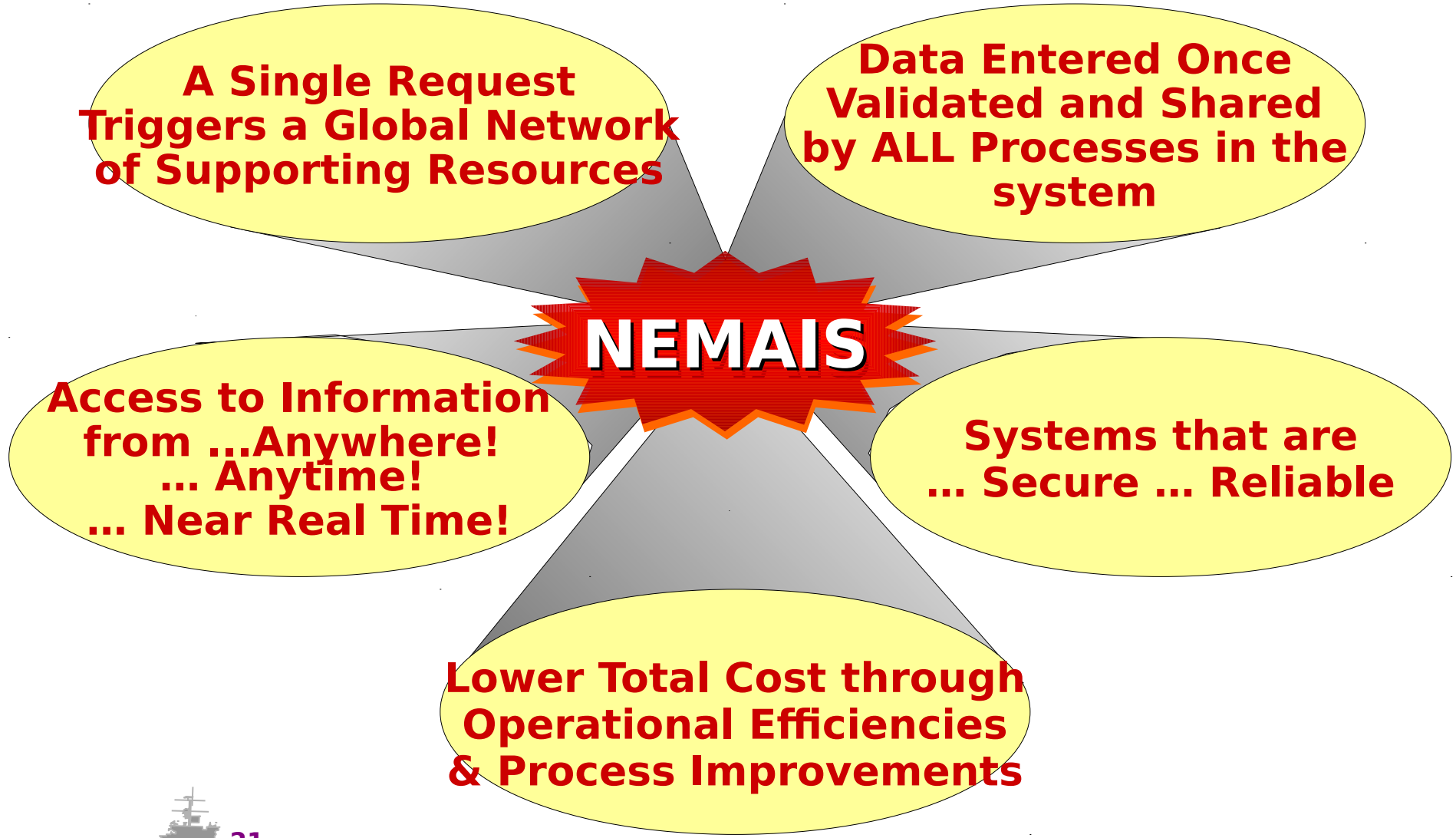
$

Comptroll er

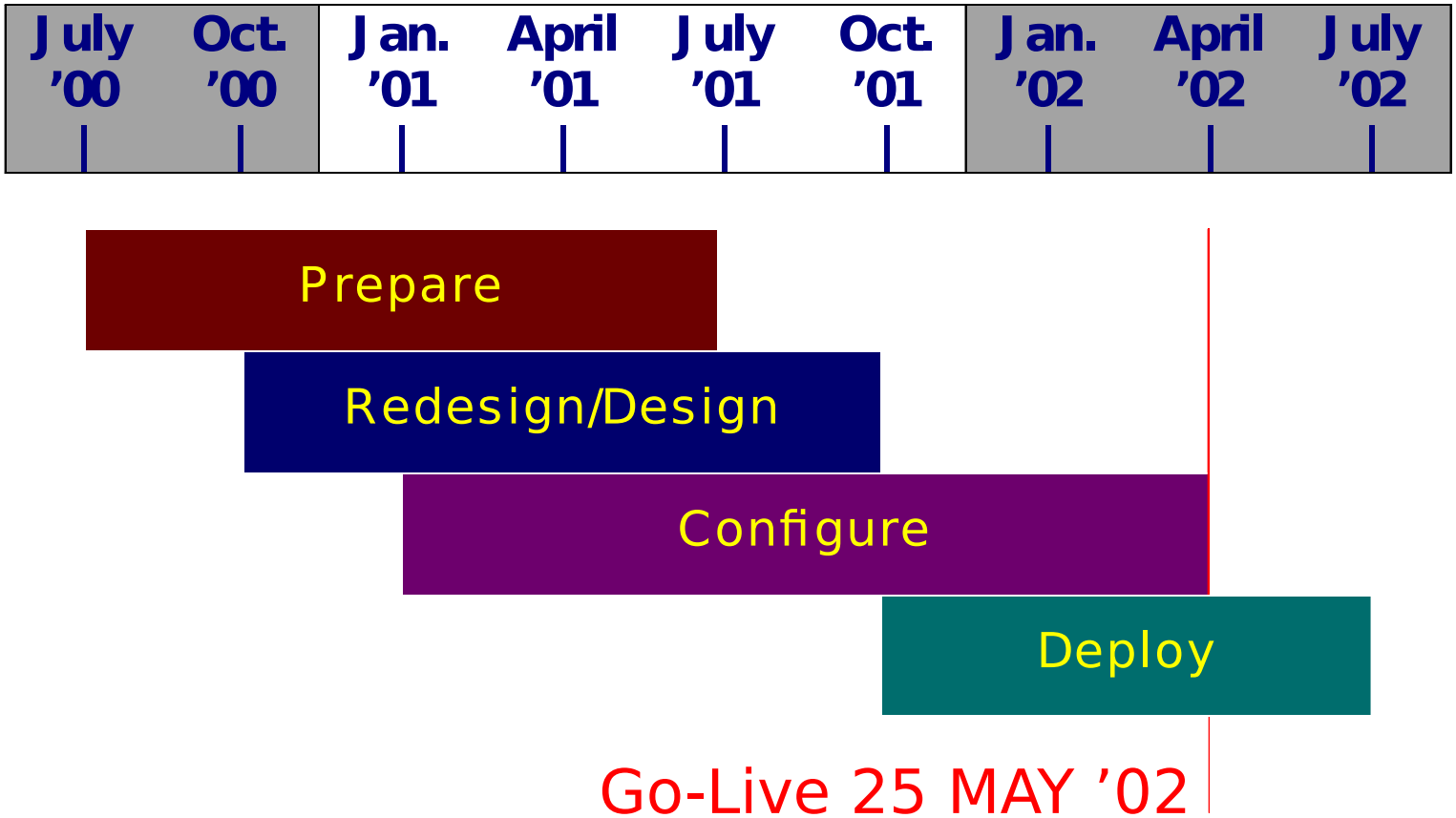
Existing Legacy System s

HR

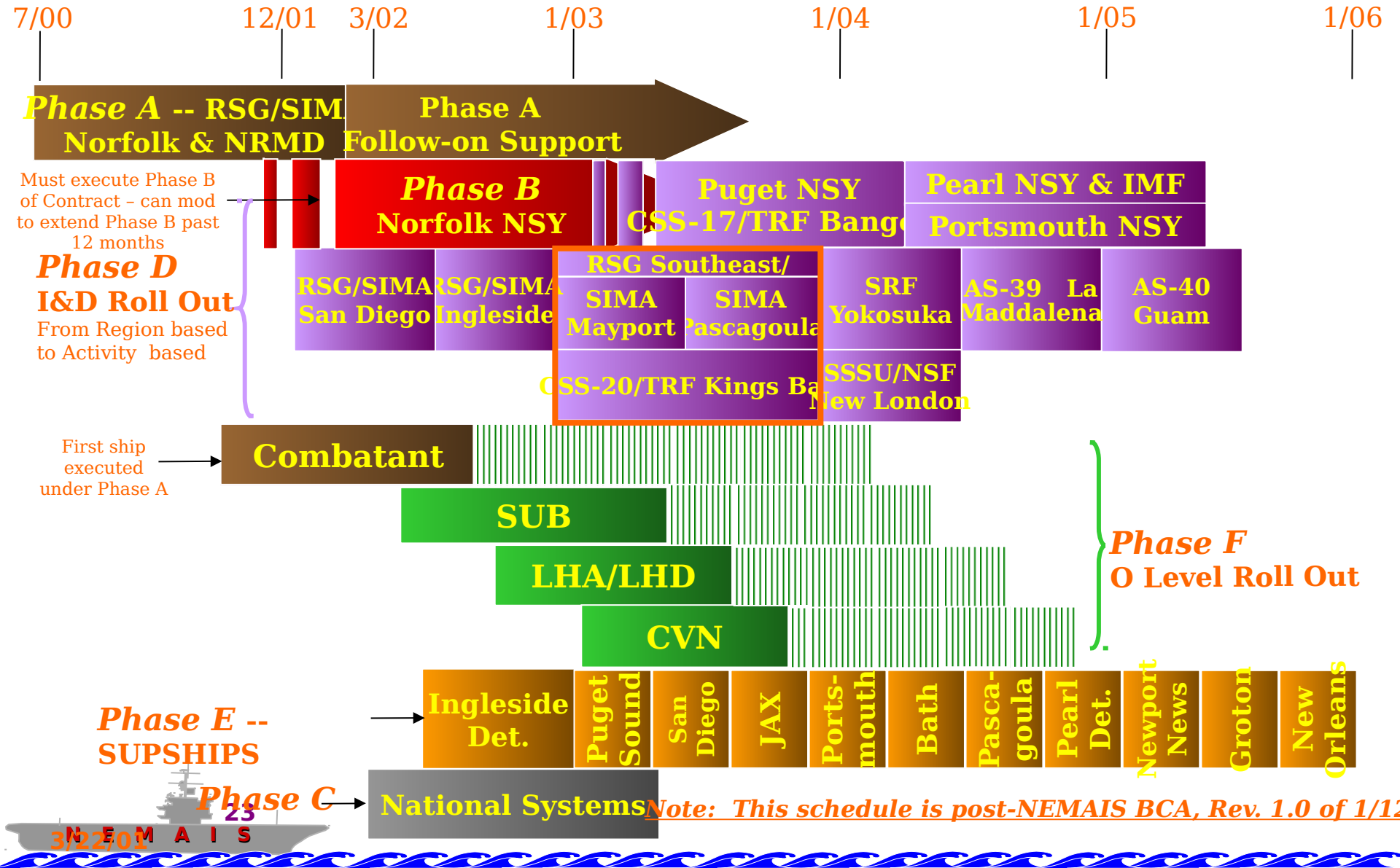
Summary of the Solution


A Single Request Triggers a Global Network of Supporting Resources
Data Entered Once Validated and Shared by ALL Processes in the system
NEMAIS
Access to Information from ...Anywhere! ... Anytime! ... Near Real Time!
Systems that are ... Secure ... Reliable
Lower Total Cost through Operational Efficiencies & Process Improvements

Implementation Schedule - Phase A



Notional Deployment Schedule



REVIEW

- DEFINITIONS OF ERP, SAP AND NEMAIS
- WHAT IS THE PROBLEM
- NEMAIS ERP SOLUTION
- HOW THE SOLUTION WILL WORK
- IMPLEMENTATION TIMELINE

NAVSEA
NAVAL SEA SYSTEMS COMMAND
Aircraft Carriers
Expeditionary Warfare
Mine & Undersea Warfare
Submarines
Surface Strike
Theater Surface Combatants
Keeping America's Navy #1 in the World

Questions?